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Raminda U. Madurawe et al. Application No.: 09/606,252 Page 2 implanting a first pocket implant into the semiconductor substrate from a 6 7 first side of the gate; and implanting a second pocket implant into the semiconductor substrate from 8 a second side of the gate, 9 wherein the first pocket implant and the second pocket implant are in 10 contact at about the center of a channel region. 11 The method of claim 28 wherein the diffusing (Amended) increases a reverse short channel effect of the transistor. A method of fabricating a transistor in an integrated (Amended) 38. fircuit device comprising: providing a semiconductor substrate having a surface; forming a gate oxide on the semiconductor substrate surface; forming a gate on the gate oxide; implanting a first pocket implant into the semiconductor substrate from a 6 first side of the gate at an angle; 7 implanting a second pocket implant into the semiconductor substrate from 8 a second side of the gate at an angle; and 9 diffusing the first and second pocket implants laterally such that a 10 threshold voltage of the transistor is increased. 11 A method of fabricating a transistor in an integrated (New) circuit device comprising: providing a semiconductor substrate having a surface; forming agate oxide on the semiconductor substrate surface; forming a gate on the gate oxide; 5 implanting a first pocket implant into the semiconductor substrate from a 6 first side of the gate at an angle;

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8	implanting a second pocket implant into the semiconductor substrate from
9	a second side of the gate at an angle; and
10	diffusing the first and second pocket implants laterally,
11	wherein the diffusing increases a reverse short channel effect of the
12	transistor.
1	43. (New) The method of claim 42 wherein the diffusing
2	increases a threshold voltage of the transistor.
1	44 (New) The method of claim 42 further comprising
2	implanting an enhancement implant in the semidonductor substrate.